

CITY OF HANOVER

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201 S RAILROAD ST.
PO BOX 416
HANOVER KS 66945
Phone: (785)-337-2261
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THE CITY OF HANOVER CITY REQUEST FOR BIDS/PROPOSALS

AIR CONDITIONING INSTALLATION AT THE HANOVER COMMUNITY BUILDING

2273 ALL AMERICAN RD., HANOVER, KANSAS 66945

Bids/Proposals must be received no later than 12:00 PM February 10, 2020

For more information, please go to our website:

<https://www.cityofhanoverks.com/> notices to print a bid form

or call Katlin Bruna, City Clerk at (785) 337-2261

The City of Hanover City desires to hire an HVAC contractor to purchase and install air conditioning in the Hanover Community Building.

Requirements and scope of work are listed below:

BID #1

- Installation of 150-amp sub panel in Chamber stand (north side) to run 2 of the 5-ton systems and the 3-ton system. 30 space panel minimum for extra connectivity for all 3 stands on north side.
- Upgrading of current 3-ton system in north side of building above Chamber stand with condenser, line set and power. Ensuring proper air venting of all 3 stands on north side for proper cooling. **Is it possible to be able to control each room temp with separate or one thermostat?**
- Installation of 4 individual 5-ton cooling system only units to the building. Each system must have a minimum of a 13-seer rating.
- 2 systems on north side will have duct work and vents located on the north existing wall directing air to the south. 2 returns will be on the north wall as low as possible and centered as can be done within complete width of building.
- Adding proper number of vents for recirculation of the 2 larger systems in the Chamber stand (north side).
- 2 systems on south side will have supplies starting directly above the opening of each bathroom door. Will also provide cooling to each bathroom.
- 2 returns on south side will be located in back wall of stage area as low as possible and centered as can be done within complete width of building. Current storage and electrical room will be covered with ceiling by a carpenter contractor.
- Drain pans is necessary for each unit and emergency runoff will be in a noticeable location to check for possible issues.

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- Each unit will be on the ground.
 - Add an addendum to having them elevated to a minimum of 10' off the ground.
- The 3-ton system will need its own thermostat control, and two separate thermostat controls with covers will be required to prevent any unauthorized usage of the systems. One on the north wall and one on the south wall.
- Each unit will need hail guard to prevent damage.
- Bid air curtains for the length of the open windows on the far north side.
- Provide yearly service contract for system.

BID #2

- If 3 Phase were to be installed at the building, bid a trunk system with a minimum 20-ton cooling system. Could be multiple units. Each system must have a minimum of a 13-seer rating.
- Trunk would be run north to south where the middle row of lights is currently at. The lights would be extended below the trunk. Trunk diameter will be 30" in diameter.
- Installation of 150-amp sub panel in Chamber stand (north side) to run the 3-ton system. 30 space panel minimum for extra connectivity for all 3 stands on north side.
- Upgrading of current 3-ton system in north side of building above Chamber stand with condenser, line set and power. Ensuring proper air venting of all 3 stands on north side for proper cooling.
- Vents along the trunk would be spaced out on a staggered basis with the west side starting at 5' off of north wall and every 15' between until the end (south side). The east side will start at 12' 6 off of north wall and every 15' between until the end (south side).
- System will connect into the two bathrooms with 10" duct work.
- Two separate control units will be needed to control the 3-ton system and the 20-ton system. Covers will be required with each control unit to prevent unauthorized usage.
- Each unit will need hail guard to prevent damage.
- Bid air curtains for the length of the open windows on the far north side.
- Provide yearly service contract for system.

BID #3

- Installation of 150-amp sub panel in Chamber stand (north side) to run 2 of the 5-ton systems and the 3-ton system. 30 space panel minimum for extra connectivity for all 3 stands on north side.
- Upgrading of current 3-ton system in north side of building above Chamber stand with condenser, line set and power. Ensuring proper air venting of all 3 stands on north side for proper cooling.

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- **Installation of 5 individual 5-ton cooling system only units to the building. Each system must have a minimum of a 13-seer rating. Each system will be mounted on the roof and spaced evenly from the north wall of the stands to the south, with 10' of duct work projected north and south of each individual unit. Each unit will be suspended from the ceiling on the interior of the building.**
 - **Add an addendum to having each unit on the ground.**
- **The farthest south system will need to have venting to both restrooms.**
- **Separate control units will be needed to control the 3-ton system and the 5-ton systems. Covers will be required with each control unit to prevent unauthorized usage.**
- **Each unit will need hail guard to prevent damage.**
- **Bid air curtains for the length of the open windows on the far north side.**
- **Provide yearly service contract for system.**

With each individual bid that is submitted we request that each bullet point be broken down with labor cost and materials, but bid will be awarded on total amount. A certificate of liability insurance listing the City of Hanover as an additional insured will be required on acceptance of bid from contractor. Minimum limits of liability are listed below for each coverage needed.

- **General Liability**
- **Workers Compensation**
- **Business Auto**

Bids should be dropped off at the City Clerk's office or mailed to: City of Hanover, PO Box 416, Hanover, KS 66945.

Nick's notes:

- **Legion has 25-ton load. Community building 9,000 sq ft, Legion 8,682 sq ft. Higher ceilings in community building than legion and not all of legion is cooled.**
- **Usage at community building could increase with air conditioning. Right now about 4 to 6 events per year would use the system. Approximately 12 to 18 days of usage.**
- **Would also need to make updates to seal the building in so air would not escape.**
- **Would be better to have multiple units because if one went down it would not shut down the whole system.**